Transforming Maritime Defense and Sea Power

Integrated Deepwater System (IDS) Program

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Mr. Gregory Giddens
Deputy Program Executive Officer

Homeland Security

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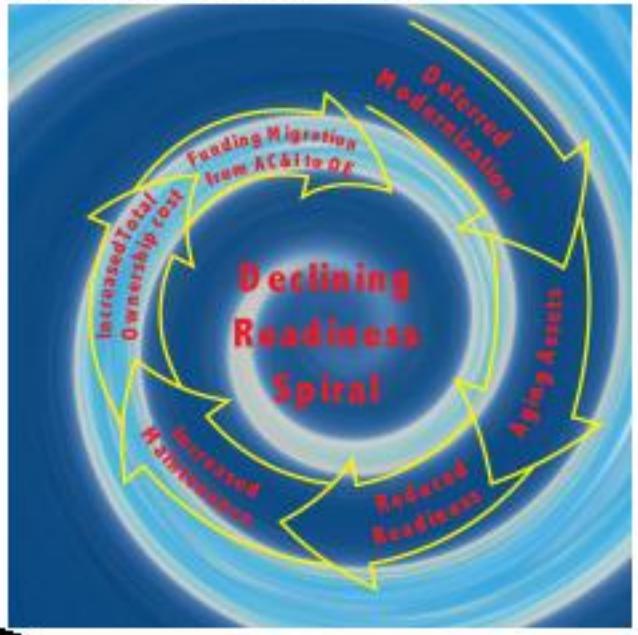
Agenda

- Overview
- Status of Deepwater Assets
- Maritime Domain Awareness
- National Fleet
- Sea Power 21
- Future Strategies

Current Coast Guard Capabilities

The average age of our Deepwater cutters is 29...The Coast Guard fleet of High and Medium Endurance Cutters is older than 37 of the 39 (naval) fleets worldwide...



Year First Commissioned

Expiration of Planned Service Life

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U. S. Coast Guard Missions

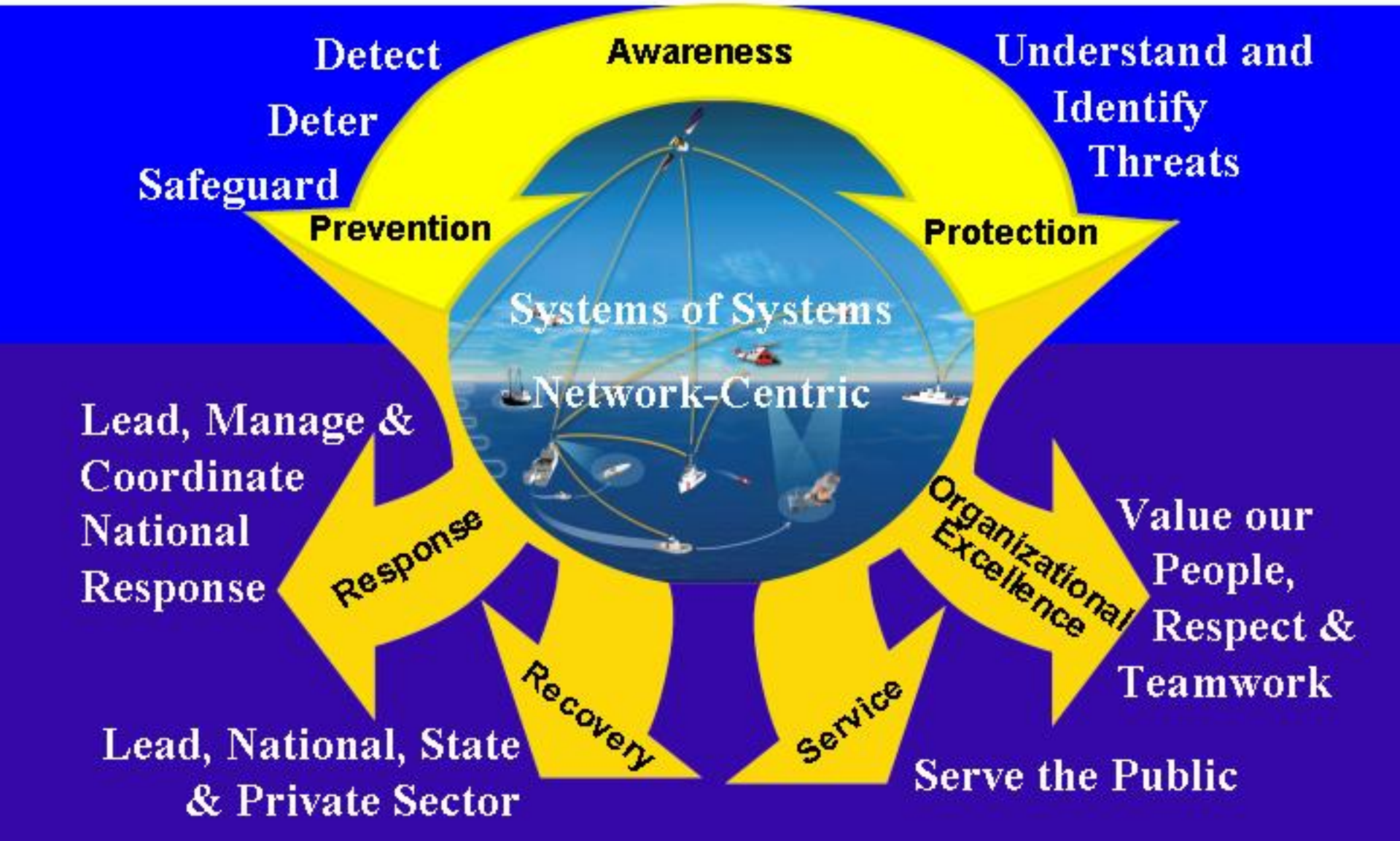
Homeland Security Missions

- Ports, Waterways and Coastal Security
- Drug interdiction
- Migrant interdiction
- Defense readiness
- General law enforcement

Traditional Missions

- Marine safety
- Search and rescue
- Aids to navigation
- Living marine resources (fisheries law enforcement)
- Marine environment protection
- Ice operations

DHS Strategic Plan



System Solution – Network Centric

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Solution: Integrated Deepwater System

Performance Based:

- Focus on capabilities not assets; Not a one for one replacement

Acquisition Strategy:

- *Partner* with system integrator
- Acquire *integrated system of* surface, air, C4ISR, and logistics *systems*

Overarching Objective:

- *Maximize Operational Effectiveness while Minimizing Total Ownership Costs*

The Status of IDS Assets

Concept & Technology Development Phase	Capability Development and Demonstration Phase	Production and Deployment Phase
Vertical Recovery & Surveillance Aircraft 	Multi-Mission Helicopter 	Maritime Patrol Aircraft 
Maritime Security Cutter, Medium (WMSM) 	VUAV Eagle Eye 	Maritime Security Cutter, Large (WMSL) 
Maritime Patrol Coastal (WPC) 		Maritime Patrol Boat (WPB) 
Long Range Interceptor 		Short Range Prosecutor  

Surface Implementation: Summary

Maritime Security Cutter, Large (WMSL)

- Funding in FY04 and FY05 request provide design and development of NSC lead ship and building second NSC
- Construction expected to begin winter 2004; first NSC scheduled to be delivered 2007
- Naval Operational Capability (NOC) and DHS capability incorporated into design

Maritime Patrol Boat (WPB)

- MATAGORDA, METOMPKIN, PADRE delivered; four hulls at Bollinger
- Total of eight on contract, 4 additional in process
- Goal is to accelerate WPC delivery in 2006

Maritime Security Cutter, Medium (WMSM)

- Funding in FY04 to commence WMSM design
- Potential for synergy with LCS

Air Implementation: Summary

HH-65

- Re-engining to restore safe & reliable operations
- Long-term plan is to convert HH-65 to MCH

HH-60J

- HH-60 Legacy upgrades include new avionics, radio, navigation, and sensor packages.

Maritime Patrol Aircraft (MPA)

- Delivery of 2 CASA in early 2006, (mission mods late 2006)
- Ongoing effort to determine optimal mix of HC-130 and the CASA to meet the overall system requirements

Eagle Eye (VUAV)

- Completed successful Preliminary Design Review (PDR)
- Delivery in 2006

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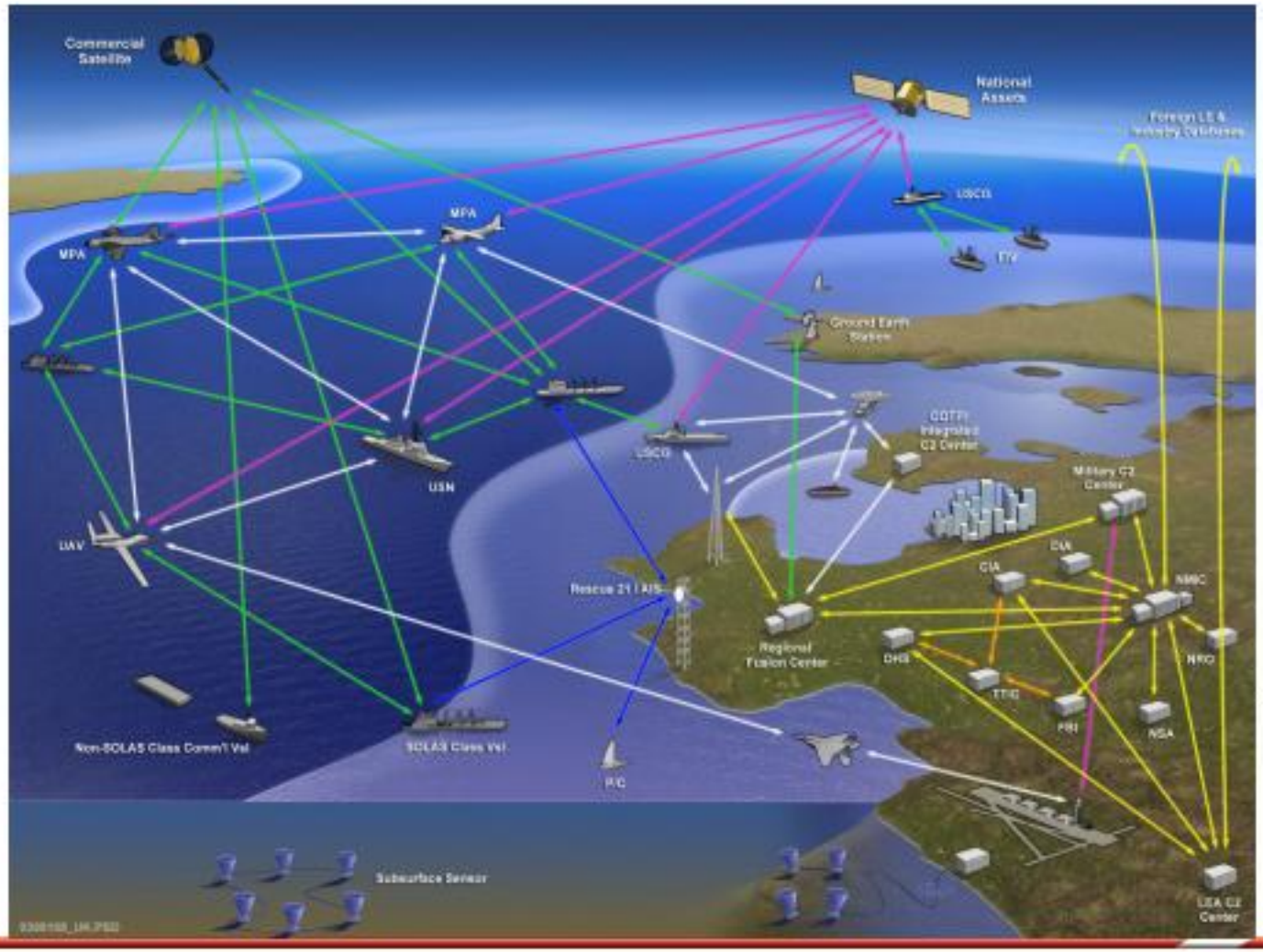
Maritime Domain Awareness



Maritime Domain Awareness is accurate information, intelligence, surveillance and reconnaissance of all vessels, cargo and people extending well beyond our traditional maritime boundaries.

Maritime Domain Awareness

MDA

Enhancing Maritime Domain Awareness through fully interoperable network-centric architecture

Integrates the power of System of Systems with net-centric technology

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ForceNet

Integrating sensors from seabed to space

Integrates the power of people, sensors, weapons, networks, and platforms

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National Fleet Concept

- Shared purpose and common effort focused on tailored operational integration of multi-mission platforms
- Surface and Air assets that are affordable, adaptable, interoperable, and with complementary capabilities
- Common equipment and systems, operational planning, training and logistics
- Capability of supporting the broad spectrum of national security requirements

USCG & USN: Required Interoperability

Frequency of Service Operations

USN

"The World's Best Navy"

USCG

"The World's Best Coast Guard"

Maritime Safety/ Search & Rescue	Environmental Protection & Law Enforcement	Migrant, Drug, & Arms Interdiction	Peacetime Engagement	Disaster Relief & Humanitarian Operations	Maritime Sanctions Enforcement	Peacekeeping & Peace Enforcement Operations	Non-Combatant Evacuation Operations	Counter-Terrorism Operations	Force Protection	Major Theater War

Small-Scale Contingencies

Increasing Level of Violence

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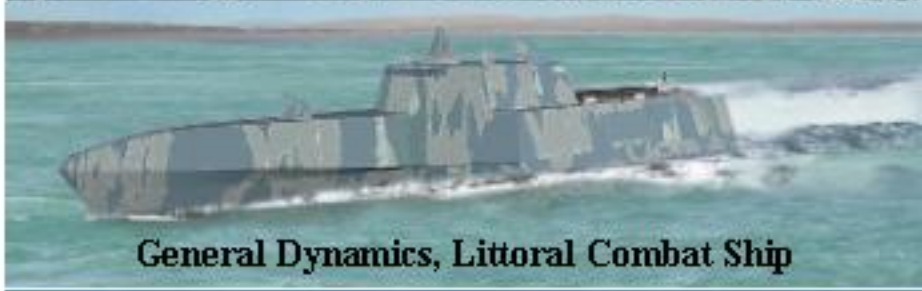
Interoperability: National Fleet Status

- Leveraging the Navy's Littoral Combat Ship research-and-development efforts
- Integrate cutting-edge technologies and pursue transformation initiatives
- Common support (e.g. training and logistics)
- Increase operational effectiveness and interoperability when Navy ships and CG cutters are jointly deployed.



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Role of CG in supporting Sea Power 21:

- Coast Guard plays unique role in security of our nation and in the ultimate achievement of projected sea power
- Multi-mission, maritime, military purpose uniquely positions CG
  - Scalable command and control suits prevention and response capabilities
  - Port Security Units (PSUs), Maritime Safety and Security Teams (MSSTs) give teeth to authority, both at home and abroad
  - Boardings at sea are our specialty
  - Experience in disaster relief and pollution response; Incident Command System (ICS) adopted by FEMA; unique capabilities of the Strike Teams
  - Status as one of five armed services connects us in joint warfare environment; complement CINCs; National Fleet concept
  - International engagement offers unusual diplomatic access

Future Strategies:

- Many future threats will likely be low-tech.
- Enemy will continually adapt to our responses. War on terrorism is like war on drugs. Lessons: We must be able to anticipate, communicate, and cooperate.
- Pre-emption is a valid and necessary tool. We can't afford just to react anymore.
- Surveillance and tracking technologies will be vital to our capabilities to detect, deter and safeguard.
- Full spectrum of warfare involves use of military and civilian authority and power.
- Coast Guard is uniquely positioned among the 5 services as an instrument of national security.
- Homeland security must be seen as an integral component of national security.
- Must partner to be effective. Can't afford to act independently.

Check us out: www.uscg.mil/deepwater